

LD77 Silt Fence

Silt fences are used as temporary sediment control devices on construction sites to protect nearby streams, rivers, lakes and other water bodies. They are typically used as perimeter control in conjunction with properly designed sediment basins/traps as well as other erosion control strategies – all with the goal to retain sediment in place where soil is being disturbed by construction processes.

When installed correctly, silt fence is an effective sediment control device but failure can occur if the product is installed incorrectly or is not properly maintained.

When installing silt fence, plan the installation to follow the natural jobsite contours. Plan several small silt fence and sediment traps rather than a single perimeter fence. Ensure that the silt fence is trenched in approximately 30cm, properly backfilled and compacted.

FABRIC DATA			
Property	Test Method	MARV Imperial	Marv Metric
Tensile Strength (Grab)	ASTM D-46362	100 X 100 LBS	444.8 X 44.8 N
Elongation	ASTM D-46362	15%	15%
CBR Puncture	ASTM D-6241	250 LBS	1112.06 X 1112.06 N
Trapezoidal Tear	ASTM D-4533	50 X 50 LBS	222.41 X 222.41. N
UV Resistance (500hrs)	ASTM D-4355	0.7	0.7
Apparent Opening Size (AOS) *	ASTM D-4751	30 US STD. SIEVE	.60mm
Permittivity	ASTM D-4491	0.05 SEC -1	0.05 SEC -1
Water Flow Rate	ASTM D-4491	8 GPM/FT ²	326 lpm/m ²
Roll Size		3'x 100'	0.91m x 30.5m
PICKET DATA			
Hardwood Pickets/roll		13	13
Hardwood Picket Size		1.25" x 1.25" x 48"	3.18cm x 3.18cm x 121.9cm